# **ENGINEERING OUTREACH**

L. William

UNIVERSITY OF IDAHO CATALOG | FALL 2021

## uidaho.edu/eo



**Professional Online Education** 



The University of Idaho Catalog (USPS 351-360) is published four times per year. Published once in April, June, October and November by the University of Idaho Registrar's Office, Engineering Outreach and Independent Study in Idaho, 875 Perimeter Dr. MS 4260, Moscow, Idaho 83844-4260.

Periodicals postage paid at Moscow, Idaho 83843. Postmaster: Send address changes to: University of Idaho, Engineering Outreach 875 Perimeter Dr. MS 1014, Moscow, ID 83844-1014.

#### **GET STARTED!**

Visit our Get Started web page at **eo.uidaho.edu/getstarted** for a list of steps to take before classes begin. You will find detailed information about the topics listed below and more.

#### CALENDAR

See the Engineering Outreach (EO) Calendar for important dates and deadlines for registration, graduation, course completion, and holidays at **eo.uidaho.edu/calendar**.

Courses begin August 23, 2021.

#### ADMISSION

EO students must be admitted to the University of Idaho. Visit our website for information about admission options at **eo.uidaho.edu/admission**.

#### REGISTRATION

Students register using VandalWeb with their NetIDs and passwords. Students will need the course registration number (CRN) to successfully register. For detailed instructions, visit our website at **eo.uidaho.edu/registration**.

#### FALL 2021 FEES

Students registering for courses delivered by EO pay a per credit fee. Fees include registration and online access but exclude textbooks and software. Payment in full is expected at the time of registration and must be received by the 10th day of class. The current fees can be found on our website at **eo.uidaho.edu/fees.** Fees are subject to change by the Board of Regents of the University of Idaho; refer to our website for current fee information.

#### **COURSE DELIVERY**

Course sessions are recorded in Engineering Outreach high-definition (HD) studio classrooms on the University of Idaho campus. Students can access their course sessions and materials in the EO Portal on the first day of class by using their NetIDs and passwords. For more information, visit our website at **eo.uidaho.edu/delivery.** 

#### **EXAMS AND PROCTORS**

Exams are distributed electronically to EO approved proctors. Proctor selection and approval must be completed by the first day of classes. For more information and for our preapproved proctor maps, visit our website at **eo.uidaho.edu/exam-process.** 

#### **COURSE COMPLETION**

The EO course completion deadline for Fall 2021 is December 17, 2021 at 3 p.m. Pacific Time. Proctors will be able to access final exams for live courses during finals week. Proctors will have access to all exams for pre-encoded courses at the beginning of the semester. It is critical students coordinate closely with their proctors to ensure final exams reach EO by the deadline.

# ENGINEERING OUTREACH

Fall 2021 Courses

FALL TERM:

August 23–December 17 (16 weeks) Registration Deadline: September 3

## Visit eo.uidaho.edu/courses for the most current course information.

BUSINESSENGINEERING – GENERAL41954OM 456Enterprise Quality Management42800ENGR 335Engineering Fluid Mechanics41954OM 456Enterprise Quality Management42800ENGR 335Engineering Fluid Mechanics41888CE 413Bridge Design41960ENGR 428Numerical Methods42801CE 428Open Channel Hydraulics41960ENGR 428Numerical Methods41889CE 513Bridge Design37955GEOLOGICAL ENGINEERING43601CE 526Aquatic Habitat Modeling37955GEOL 465Excavation and Materials Handling41101CE 535Fluvial Geomorphology and River Mechanics42823MSE 434Fundamentals of Polymeric Materials43602CE 542Advanced Design of Steel StructuresHIELESFundamentals of Polymeric Materials	
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41101 CE 535 Fluvial Geomorphology and River Mechanics 43602 CE 542 Advanced Design of Steel Structures 42823 MSE 434 Fundamentals of Polymeric Materials	
43602 CE 542 Advanced Design of Steel Structures	
43273 MSE 525 Electronic Materials	
41965 CE 545 Matrix Structural Analysis	
43608 CE 577 Pavement Preservation and Management MATHEMATICS	
ELECTRICAL AND COMPUTER ENGINEERING 31145 MATH 123 Math in Modern Society	
41968 ECE 404-SR ST: Sustainable and Renewable Energy 31712 MATH 160 Survey of Calculus***	
37964 FCF 410 Microelectronics II 21341 MATH 170 Calculus I***	
41949 ECE 415 Analog Integrated Circuit Design 24794 MATH 175 Calculus II***	
42283 ECE 418 Introduction to Electronic Packaging 41114 MATH 176 Discrete Mathematics	
41133 FCF 420 Energy Systems II 24796 MATH 275 Calculus III	
33591 FCE 421 Introduction to Power Systems 16710 MATH 310 Ordinary Differential Equations	
31868 FCF 450 Signals and Systems II 16712 MATH 330 Linear Algebra	
42060 FCE 460 Semiconductor Devices 21343 MATH 390 Axiomatic Geometry	
41135 ECE 470 Control Systems 41256 MATH 420 Complex Variables	
41974 FCE 504-DC ST: Advanced Frequency Domain Control 18178 MATH 426 Discrete Optimization	
41941 ECE 504-PO ST: Power Systems Planning and Operation 41952 MATH 428 Numerical Methods	
41970 ECE 504-SR ST: Sustainable and Renewable Energy 36206 MATH 430 Advanced Linear Algebra	
41956 ECE 515 Analog Integrated Circuit Design 43607 MATH 432 Numerical Linear Algebra	
32700 ECE 518 Introduction to Electronic Packaging 16730 MATH 451 Probability Theory	
31898 ECE 523 Symmetrical Components 21347 MATH 452 Mathematical Statistics	
16734 MATH 461 Abstract Algebra I	
ENGINEERING MANAGEMENT 24800 MATH 462 Abstract Algebra II	
43615 EM 570 Global Product Development 16738 MATH 471 Introduction to Analysis I	
40375 EM 580 Technical Project Management 19798 MATH 472 Introduction to Analysis II	





#### CRN COURSE # TITLE **MATHEMATICS (CONT.)** 40103 **MATH 480** Partial Differential Equations 41116 MATH 521 Topology I 41908 **MATH 528 Differentiable Manifolds** 41961 **MATH 529** Numerical Methods 38561 **MTHE 513** Problem Solving Through History **MTHE 516** 41113 Groups and Symmetry **MECHANICAL ENGINEERING** 43623 ME 345 Heat Transfer 41909 ME 415 Materials Selection and Design 41910 ME 450 Fundamentals of Computational Fluid **D**vnamics 41111 ME 481 **Control Systems** 24776 ME 541 Mechanical Engineering Analysis 43604 ME 544 **Conduction Heat Transfer STATISTICS** STAT 251 Statistical Methods 16778 16780 STAT 301 Probability and Statistics 41919 **STAT 407** Experimental Design 40467 **STAT 419** Introduction to SAS/R Programming 39288 **STAT 422** Sample Survey Methods STAT 431 36204 Statistical Analysis STAT 451 16732 Probability Theory 21325 **STAT 452 Mathematical Statistics** 41955 **STAT 456 Enterprise Quality Management** 31745 **STAT 507** Experimental Design 36205 STAT 565 **Computer Intensive Statistics TECHNOLOGY MANAGEMENT**

43660 TM 552 Industrial Ergonomics

# Visit Our Website! uidaho.edu/eo

# **ADMINISTRATIVE** OFFICE DIRECTORY

Admissions (Undergraduate/ Non-degree)

admissions@uidaho.edu (208) 885-6326

College of Graduate Studies cogs@uidaho.edu (208) 885-2647

#### **Financial Aid**

finaid@uidaho.edu (208) 885-6312

Information Technology Services (ITS)

support@uidaho.edu (208) 885-4357

#### Library

librdean@uidaho.edu (208) 885-6559

#### **UI Testing Centers**

- BOISE Denise Engebrecht denisee@uidaho.edu (208) 364-6123
- COEUR D'ALENE
  NIC Testing Center
  testingcenter@nic.edu
  (208) 676-7203

Admissions (Graduate)

graduateadmissions@ uidaho.edu (208) 885-4001

**Registrar's Office** 

registrar@uidaho.edu (208) 885-6731

#### **Student Accounts**

acctrec@uidaho.edu (208) 885-7447

#### VandalStore

vandalstore@uidaho.edu (208) 885-6469

#### Military and Veteran Services

veterans@uidaho.edu (208) 885-7989

- IDAHO FALLS Debbie Caudle uiif-testing@uidaho.edu (208) 757-5454
- MOSCOW U of I Counseling & Testing Center ctc@uidaho.edu (208) 885-5138

University of Idaho



Engineering Outreach College of Engineering Janssen Engineering Building Rooms 31 and 37 875 Perimeter Drive MS 1014 Moscow, ID 83844-1014

#### **Contact Us**

Phone:	
Local:	
Fax:	
Email:	eo-support@uidaho.edu

### EO Portal for Course Materials and Exams

eo.uidaho.edu/portal

## Visit Our Website

uidaho.edu/eo

#### View a Sample Session eo.uidaho.edu/demo



"Following my undergraduate degree, I never imagined that I would have the opportunity to continue education due to financial constraints. Thanks to the affordability of the program along with the financial assistance provided by Applied Materials, I have been given an opportunity I never imagined having."

DEREK ZIMMERMAN M. Engr., Mechanical Engineering



### Quality Programs... Online Delivery!

- Engineering Outreach (EO) offers complete graduate degrees, academic certificates, and coursework that may be transferred for credit in engineering and related fields.
- EO is an established distance education program with over 40 years of experience delivering courses to off-campus students.
- The University of Idaho is regionally accredited by the Northwest Commission on Colleges and Universities (NWCCU) and is a member of the Association of Public Land Grant Universities (APLU).
- More than 95 percent of EO students complete their courses.
- EO is approved by the U.S. Department of Veterans Affairs (VA) for U.S. military students.
- U of I's engineering graduate programs are supported by undergraduate degree programs that are accredited by the Engineering Accreditation Commission of ABET: http://www. abet.org.
- Course sessions are encoded in high definition (HD) and are accessible online through a secure portal within two hours of being recorded on campus.
- More than 70 continually updated courses are delivered each fall and spring semester (fewer during the summer).
- EO offers personalized academic support services with a responsive staff committed to meeting the educational needs of our students.



ENGINEERING OUTREACH College of Engineering 875 Perimeter Drive MS 1014 Moscow, ID 83844-1014 Periodicals POSTAGE PAID at Moscow ID 83843

# **ENGINEERING OUTREACH** Achieve Your Professional Education Goals ... Online! eo.uidaho.edu

#### **Master's Degree Programs**

- Electrical Engineering ece-info@uidaho.edu
- Mechanical Engineering medept@uidaho.edu
- Civil Engineering cee@uidaho.edu
- Computer Science csinfo@uidaho.edu
- Computer Engineering ece-info@uidaho.edu
- Engineering Management engr-em@uidaho.edu
- Technology Management engr-tm@uidaho.edu
- Geological Engineering cee@uidaho.edu
- Statistical Science mathstat@uidaho.edu
- Teaching Mathematics mathstat@uidaho.edu

#### **Non-Degree Coursework**

- Professional Development
- STEM Coursework
- Transfer Credits

#### **Focus Areas**

- Business/Accounting
- Nuclear Engineering

#### **Academic Certificates**

- Power System Protection and Relaying
- Secure and Dependable Computing Systems
- Statistics